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WPI Acc No: 1984-026830/ 198405

Cationic polymerisable radiation-setting resin compsn. - contains
polyepoxy resin, thermoplastic satd. polyester and photopolymerisation
initiator, for paints and ink vehicle

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Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 58217516 | A | 19831217 | JP 8299827 | A | 19820610 | 198405 B |
| JP 90030326 | B | 19900705 | JP 8299827 | A | 19820610 | 199031 |

Priority Applications (No Type Date): JP 8299827 A 19820610

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|----------|--------------|
| JP 58217516 | A | | 7 | | |

Abstract (Basic): JP 58217516 A

The compsn. (I) contains 60-95 pts.wt. of at least one epoxy resin
(II) with at least one epoxy gp. 5-40 pts.wt. of a thermoplastic satd.
polyester resin (III) with average mol.wt. of 2,500-30,000, pref.
5,000-25,000, and a photopolymerisation initiator (IV) in 0.1-10
pts.wt. to 100 pts.wt. of the mixt. of (II) and (III). (IV) can release
a substance initiating cationic polymerisation by irradiation with
energy rays. (II) may contain 20-95, pref. 50-90, wt.% of alicyclic
epoxy resin having epoxy group on the alicyclic ring.

(I) can form a tough paint film of excellent adhesion, flexibility
and impact resistance, and is useful for paints or ink vehicles.

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Derwent Class: A21; A23; A82; G02

International Patent Class (Additional): C08G-059/18; C08G-065/26;
C08L-063/00; C09D-003/58

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PARTIAL TRANSLATION OF JAPANESE UNEXAMINED PATENT (KOKAI)

NO. 58-217516

Title of the Invention: Energy Radiation Curing Resin
Composition

Application No.: 57-99827

Filing Date: June 10, 1982

Publication Date: December 17, 1983

Applicant: Asahi Denka Co., Ltd.

Priority claimed: none

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[Scope of Claims for Patent] (Excerpt)

1. A cationically polymerizable energy radiation curing resin composition comprising

(a) 60 to 95 parts by weight of one or more epoxy resins having at least one epoxy group on a molecule,

(b) 5 to 40 parts by weight of a thermoplastic saturated polyester resin having an average molecular weight of 2,500 to 30,000,

(c) 0.1 to 10 parts by weight, on the basis of 100 parts by weight of a mixture of (a) and (b), of a photopolymerization initiator which releases a substance which initiates a cationic polymerization on exposure to energy radiation.

[Detailed Description of the Invention] (Excerpt)

Optionally, a cationically polymerizable energy radiation curing resin composition of the present invention can contain a polyether polyol compound in order to improve the properties of the coating composition or coating film, etc.